

AMENDMENT

In the Specification:

Prior to page 1, where the text of the application begins, please delete the double-sided cover page from the PCT stage if necessary.

At page 1, after the title, in the current single-paragraph that constitutes the entire Section of the Application pertaining to the field of the invention and cross-reference to related applications, please delete the existing section and replace such deleted section with the following, two-paragraph replacement section:

The present application is a nationalization of International Patent Application PCT/AU99/00968, filed November 05, 1999, which claims priority to Australian Patent Application PP 6976, filed November 06, 1998.

This invention relates to the regulation of the activity of the enzyme nitric oxide synthase, and in particular to regulation of activity of endothelial and neuronal nitric oxide synthases. We have found that the phosphorylation of endothelial and neuronal nitric oxide synthases by several protein kinases, including protein kinase C and the AMP-activated protein kinase, regulates their activity.

After page 29, please start another page (30), and insert a section containing the following text of the Abstract, based upon the first cover page from the PCT application: - -

ABSTRACT

This invention relates to the regulation of the activity of the enzyme nitric oxide synthase, particularly the regulation of activity of endothelial nitric oxide synthase (eNOS) and neuronal nitric oxide synthase (nNOS and nNOS μ). The invention provides a method of identifying modulators of AMPK-mediated activation of eNOS, comprising testing putative modulators for